1. A circuit material for the formation of circuits or multi-layer circuits, the circuit material comprising:

a first conductive layer; and

a dielectric layer disposed on the first conductive layer, wherein the dielectric layer comprises a crosslinkable liquid crystalline polymer comprising phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups.

- 2. The circuit material of claim 1, wherein the conductive layer is copper.
- 3. The circuit material of claim 1, wherein the dielectric layer is substantially nonflowable when fully crosslinked.
- 4. The circuit material of claim 1, wherein the dielectric layer further comprises a particulate filler, a fibrous web, or a combination comprising at least one of the foregoing.
- 5. The circuit material of claim 1, wherein dielectric layer is flowable when partially crosslinked.
- 6. The circuit material of claim 1, further comprising a second conductive layer disposed on the dielectric layer on a side opposite the first conductive layer.

- 7. The circuit material of claim 6, wherein the dielectric layer further comprises a particulate filler, a fibrous web, or a combination comprising at least one of the foregoing.
- 8. The circuit material of claim 1, wherein the crosslinkable liquid crystalline polymer comprises phenyl maleimide groups.
- 9. The circuit material of claim 1, having a dielectric constant of less than about 3.8, a dissipation factor of less than or equal to about 0.007 when measured from 1 to 10 GHz, and a UL-94 rating of V-1 or better, when the liquid crystalline polymer composition is fully crosslinked.
- 10. A circuit laminate for the formation of circuits or multi-layer circuits, the circuit laminate comprising:
 - a first conductive layer; and
- a dielectric substrate disposed on the first conductive layer, wherein the dielectric substrate comprises a B-staged or thermoset liquid crystalline polymer having crosslinked groups derived from phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups.
 - 11. The circuit laminate of claim 10, wherein the conductive layer is copper.

- 12. The circuit laminate of claim 10, wherein the dielectric substrate further comprises a particulate filler, a fibrous web, or a combination comprising at least one of the foregoing.
- 13. The circuit laminate of claim 10, having a dielectric constant of less than about 3.8, a dissipation factor of less than or equal to about 0.007 when measured at 1 to 10 GHz, and a UL-94 rating of V-1 or better when fully crosslinked.

14. A method of forming a circuit material, comprising

contacting a crosslinkable liquid crystalline polymer composition with a conductive layer, wherein the crosslinkable liquid crystalline polymer composition comprises a crosslinkable liquid crystalline polymer comprising phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups; and

crosslinking the crosslinkable liquid crystalline polymer to form a B-staged or thermoset liquid crystalline polymer dielectric material.

15. A circuit comprising:

a dielectric substrate comprising a thermoset liquid crystalline polymer having crosslinked phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups; and

a conductive circuit layer disposed on the dielectric substrate.

- 16. The circuit of claim 15, wherein the conductive layer is copper.
- 17. The circuit of claim 15, wherein the dielectric substrate further comprises a particulate filler, a fibrous web, or a combination comprising at least one of the foregoing.
- 18. The circuit of claim 15, having a dielectric constant of less than about 3.8, a dissipation factor of less than or equal to about 0.007 when measured from 1 to 10 GHz, and a UL-94 rating of V-1 or better.

19. A multi-layer circuit comprising:

a resin coated conductive layer comprising a first conductive layer disposed on a flowable dielectric material; and

a diclad circuit, comprising a dielectric substrate disposed between a circuit layer and a second conductive layer, wherein the flowable dielectric material is disposed on a side of the circuit layer opposite the dielectric substrate, and further wherein

the flowable dielectric material, the dielectric substrate, or both, comprises a thermoset liquid crystalline polymer having crosslinked phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups.

20. The multi-layer circuit of claim 1, wherein the first conductive layer, second conductive layer, and circuit layer are copper.

- 21. The multi-layer circuit of claim 19, having a dielectric constant of less than about 3.8, a dissipation factor of less than or equal to about 0.007, and a UL-94 rating of V-1 or better.
- 22. The multilayer circuit of claim 19, wherein the dielectric substrate further comprises a particulate filler, a fibrous web, or a combination comprising at least one of the foregoing.

23. A multi-layer circuit comprising:

a first diclad circuit comprising a first dielectric substrate disposed between a first circuit layer and a second circuit layer;

a second diclad circuit comprising a second dielectric substrate disposed between a third circuit layer and a fourth circuit layer; and

a bond ply disposed between the second circuit layer on a side opposite the first dielectric substrate layer, and the third circuit layer on a side opposite the second dielectric layer, wherein at least one of the first dielectric substrate, the second dielectric substrate, or the bond ply comprises a B-staged or thermoset liquid crystalline polymer having crosslinked phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups.

24. The multilayer circuit of claim 23, having a dielectric constant of less than about 3.8, a dissipation factor of less than or equal to about 0.007, and a UL-94 rating of V-1 or better.

- 25. The multilayer circuit of claim 23, wherein at least one of the first dielectric substrate, the second dielectric substrate, or the bond ply further comprises a particulate filler, a fibrous web, or a combination comprising at least one of the foregoing.
- 26. The multilayer circuit of claim 23, further comprising a cover film disposed on the first circuit layer on a side opposite the first dielectric layer, wherein the cover film comprises a thermoset liquid crystalline polymer formed by the crosslinking of phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups.
- 27. A B-staged circuit material for the formation of circuits or multi-layer circuits, the circuit material comprising:
 - a first conductive layer; and
- a dielectric layer disposed on the first conductive layer, wherein the dielectric layer comprises a liquid crystalline polymer comprising phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups, wherein the groups have been partially crosslinked.
- 28. The B-staged circuit material of claim 27, wherein the conductive layer is copper.

- 29. A circuit material for the formation of circuits or multi-layer circuits, the circuit material comprising:
 - a first conductive layer; and
- a dielectric layer disposed on the first conductive layer, wherein the dielectric layer comprises a liquid crystalline polymer comprising phenyl maleimide groups, nadimide groups, phenylacetylene groups, or a combination comprising at least one of the foregoing groups, and further wherein said groups crosslink at a temperature is at least about 20°C greater than the melt temperature of the liquid crystalline polymer.